

2 Williams Street
Chelsea, MA 02150
(617) 889 - 6515



QUALITY CERTIFICATE

Vessel	Sample and Analysis	Port	New Bedford, MA	Report	080606
Customer	Sprague New Bedford	Date	August 23, 2006	Reference	
Operation	Analysis	Terminal	Sprague New Bedford	Sample #	868141

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

No 6 Fuel Oil

Shore tank 2 After Discharge
Inspectorate
Inspectorate

Tests being Performed	Test method	Sample Results
Gravity API @ 60F / Denisty	D - 4052	13.0 / 0.9789
Flash Point, PMCC, F	D - 93	>230
Viscosity cSt @ 122F	D - 445	307.3
Viscosity SSF @ 122F	D - 2161	145.1
Pour Point C / F	D - 97	3 / 37
Sulfur , Wt%	D - 4294	0.670
Water and Sediment, Vol %	D - 1796	0.01
Sediment by Extraction, wt%	D - 473	0.06
Water by Distillation, Vol%	D - 95	<0.1
Gross Heat of Combustion, BTU / lb	D - 240	18,643
Gross Heat of Combustion, BTU / gal	D - 240	152,037
Ash, wt %	D - 482	0.07
Vanadium, ppm	D - 5863B	14
Sodium, ppm	D - 5863B	5
Nitrogen, wt%	D - 5762	0.308
Ashphaltenes, wt%	IP - 143	1.03
Conradson Carbon Residue	D - 189	8.04
<p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p>		

** Annotates Analysis Contracted Out

*** Annotates Loadport information- this test was not performed by Inspectorate